

FIGURE 1

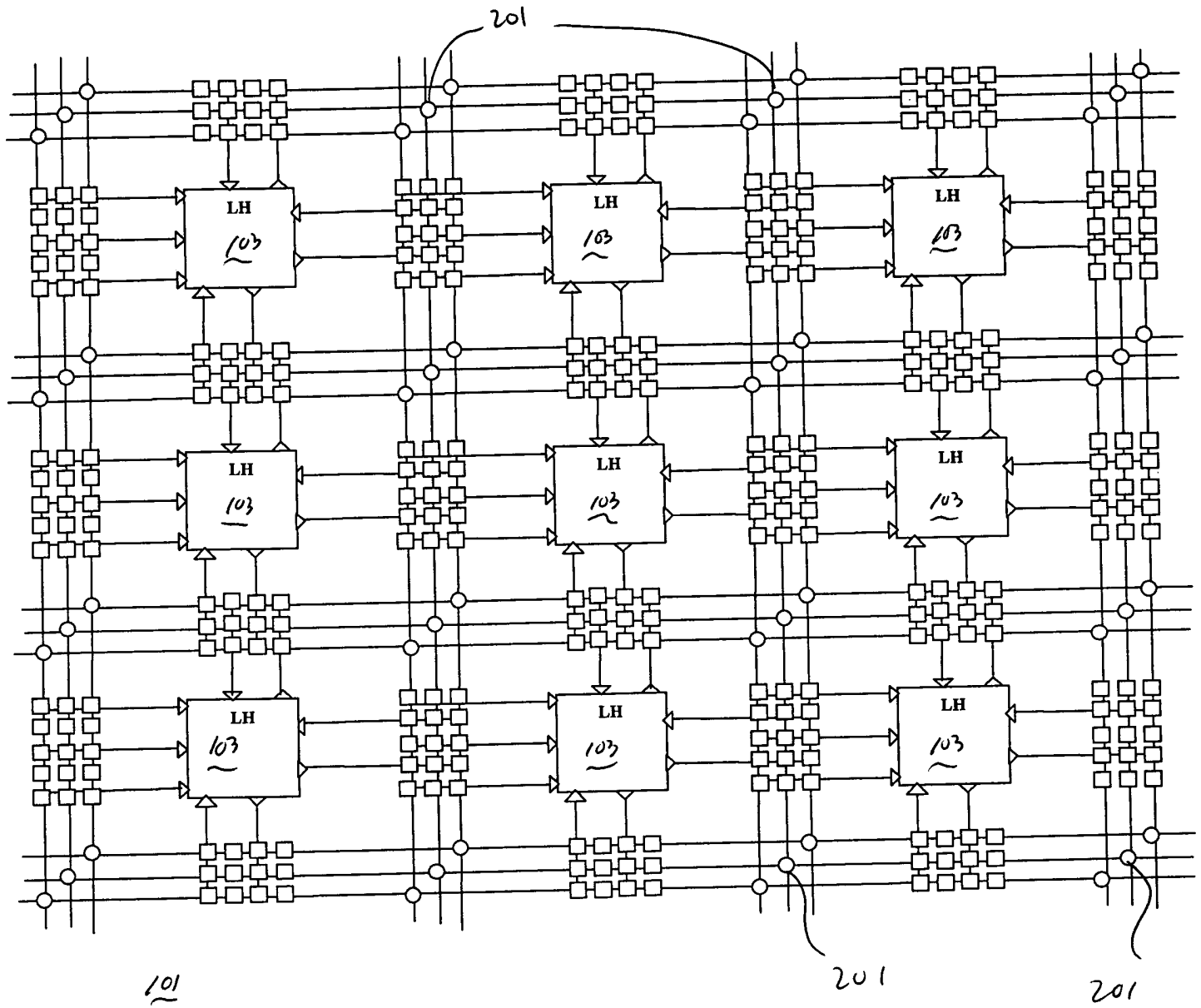
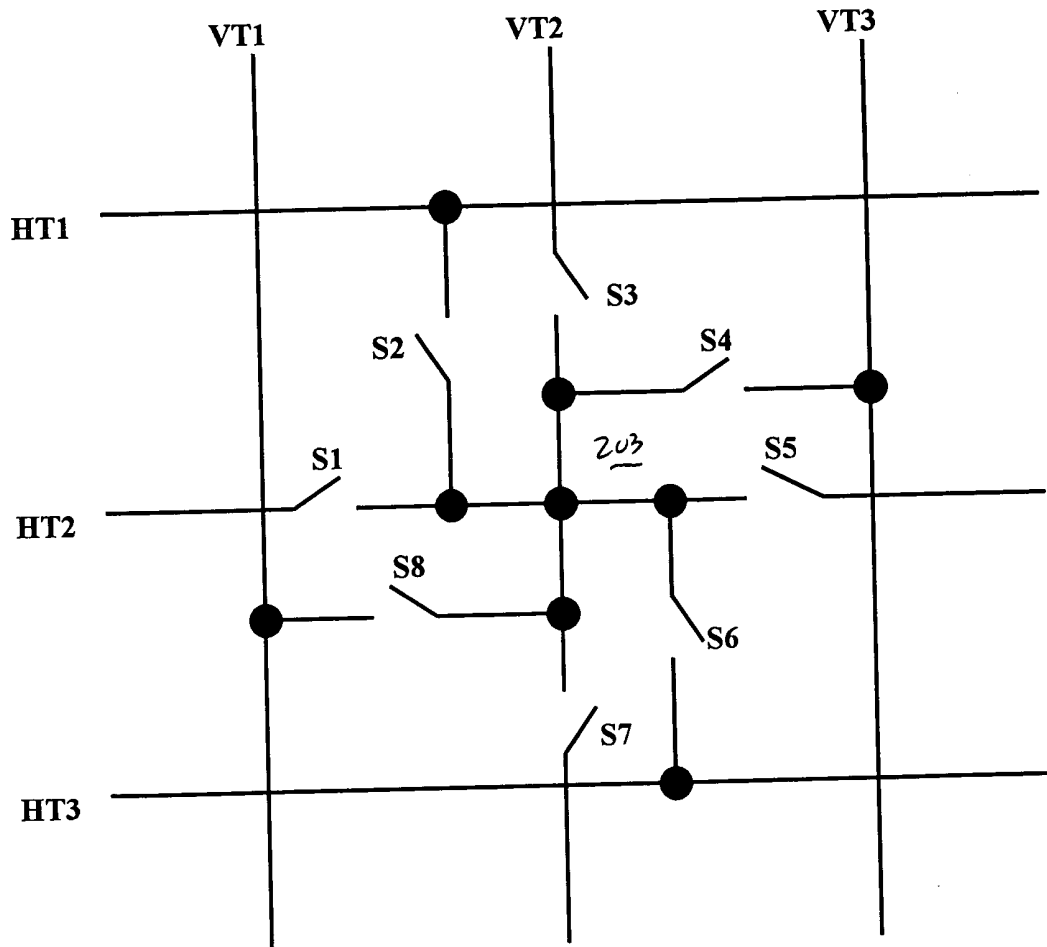
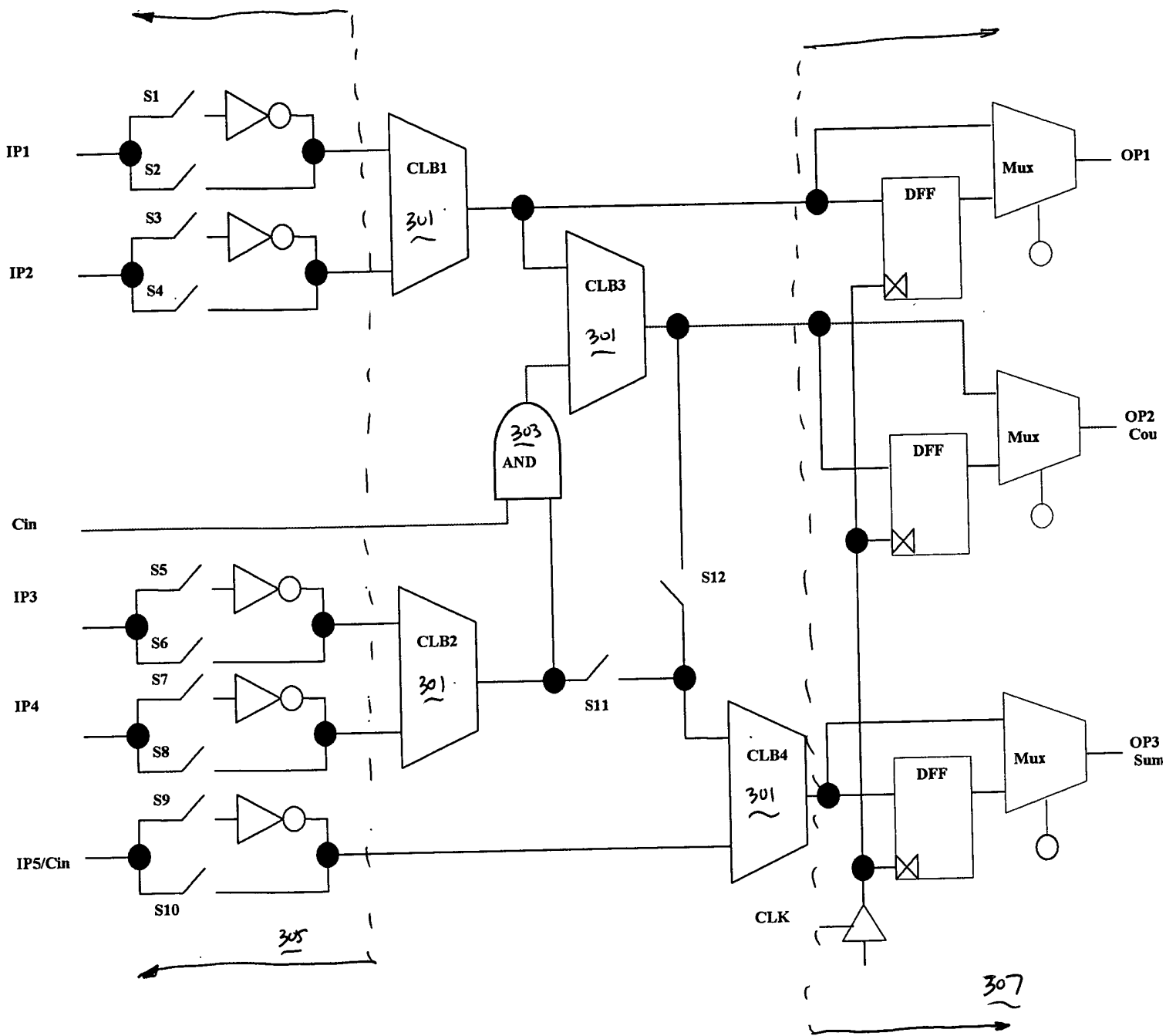


FIGURE 2



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FIGURE 3



CLB: Cascadable Logic Block

FIGURE 4

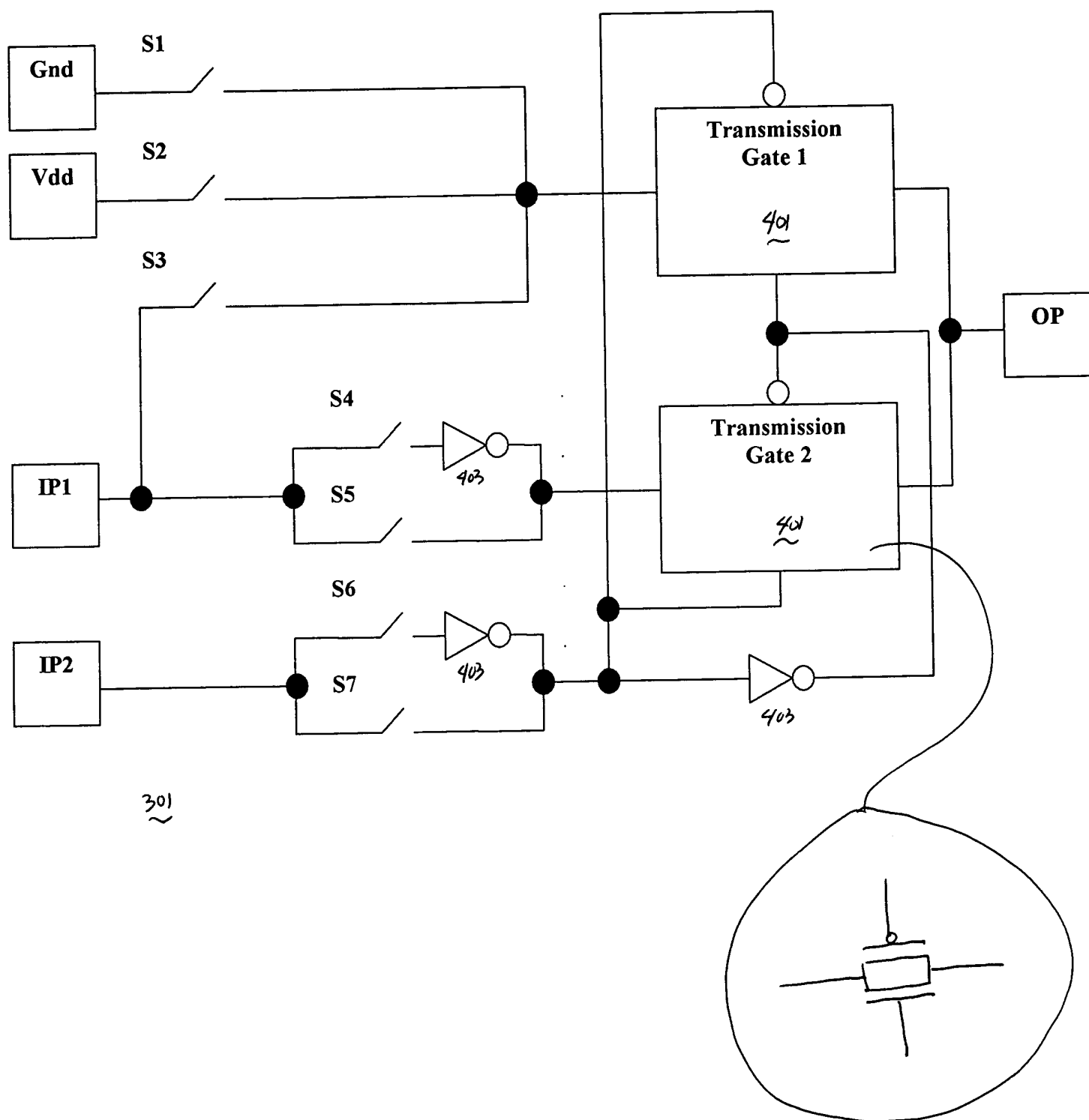


FIGURE 5

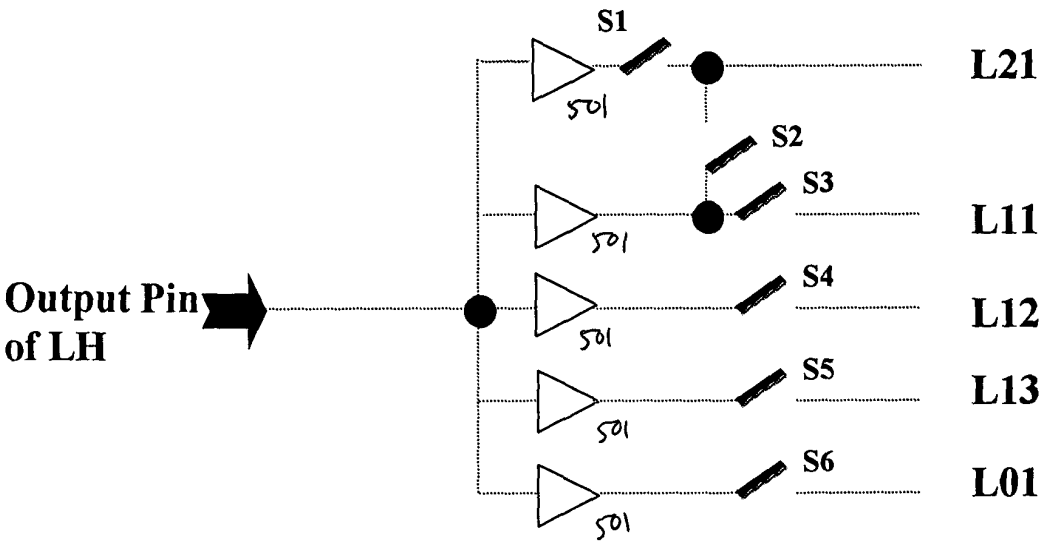


FIGURE 6

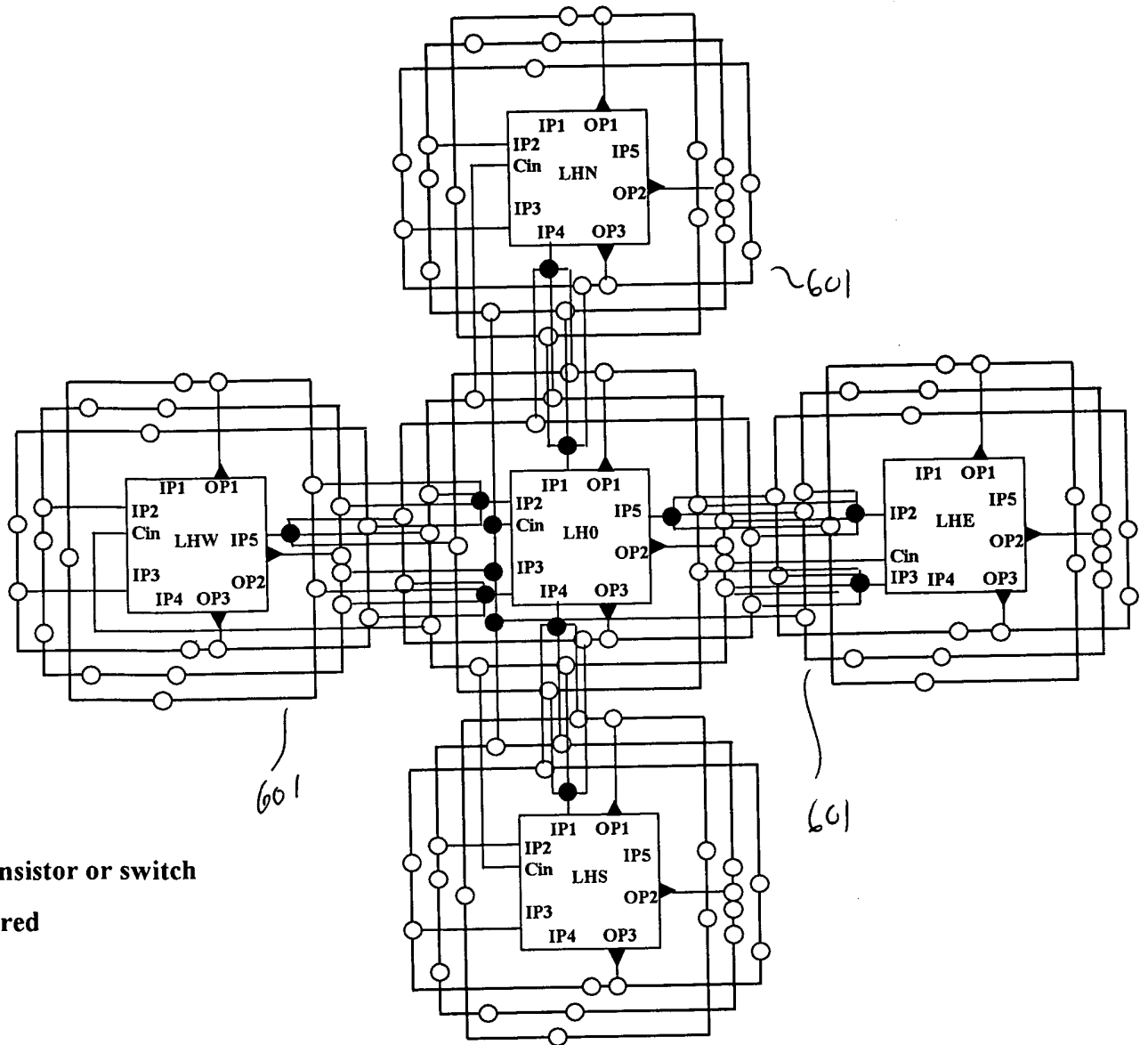


FIGURE 7

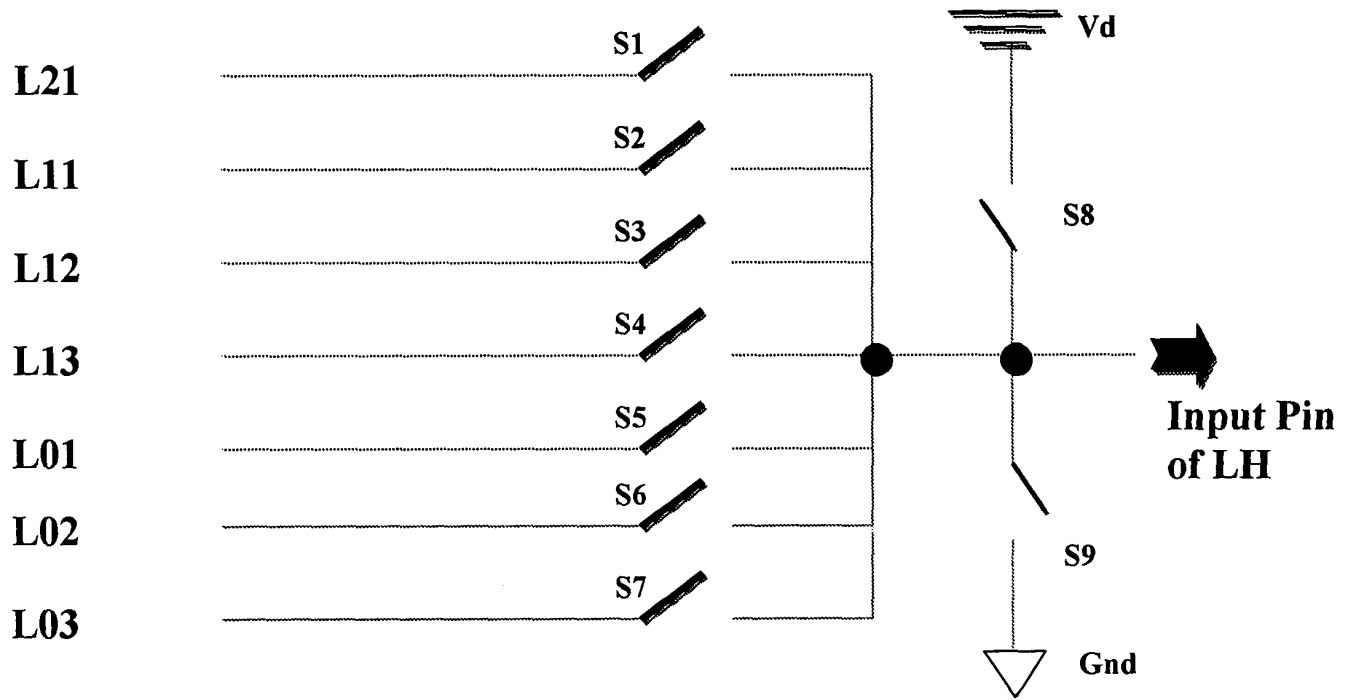


FIGURE 8

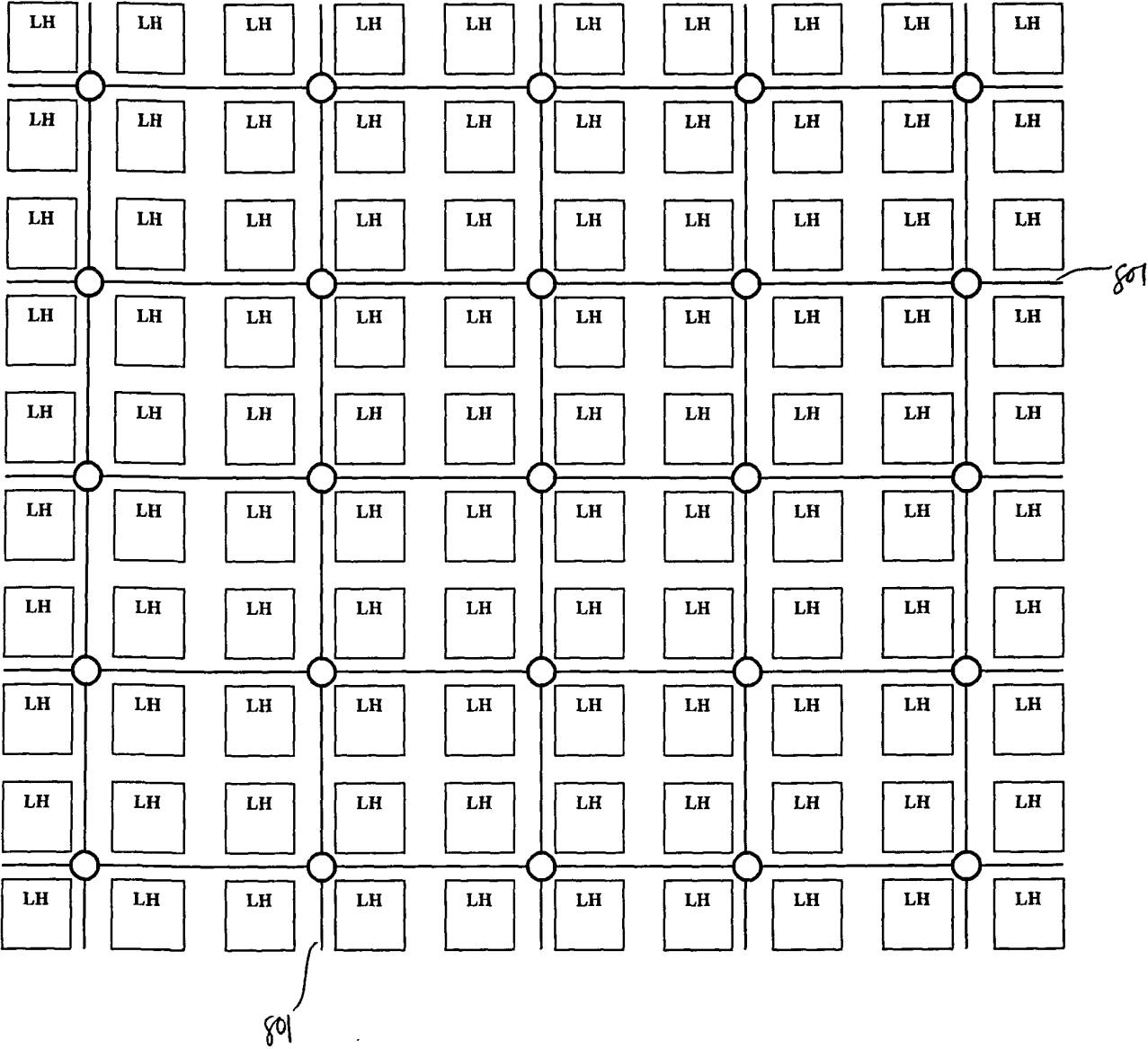


FIGURE 9

SWITCH	S1	S2	S3	S4	S5	S6	S7	Equation
AND2	✓	✗	✗	✗	✓	✗	✓	$OP = IP1 \& IP2$
NAND2	✗	✓	✗	✓	✗	✗	✓	$OP = ! (IP1 \& IP2)$
OR2	✗	✓	✗	✗	✓	✓	✗	$OP = IP1 IP2$
NOR2	✓	✗	✗	✓	✗	✓	✗	$OP = ! (IP1 IP2)$
XOR2	✗	✗	✓	✓	✗	✗	✓	$OP = (IP1 \& !IP2) (!IP1 \& IP2)$
XNOR2	✗	✗	✓	✓	✗	✓	✗	$OP = (IP1 \& IP2) (!IP1 \& !IP2)$

Notes: ✓ : Switch on ✗ : Switch off

FIGURE 10

